

GenCore version 5.1.6
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OM protein - protein search, using bw model

Run on: November 5, 2005, 17:13:16 ; Search time 116 Seconds
(without alignments)
1774.633 Million cell updates/sec

Perfect score: 2527
Sequence: 1 NWKPFALTHYMLRFLVPL.....TDMPTTEVTVDIVREENE 492

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 1867879 seqs, 418409474 residues

Total number of hits satisfying chosen parameters: 1867879

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

Database : Published Applications AA.*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
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6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
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18: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
19: /cgn2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*
20: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
21: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
22: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|---------------------|--------------------|
| 35 | 2527 | 100.0 | 492 | 14 US-10-167-749-7 | Sequence 7, Appli |
| 45 | 2527 | 100.0 | 492 | 14 US-10-210-951-16 | Sequence 16, Appli |
| 47 | 2527 | 100.0 | 492 | 14 US-10-211-884-16 | Sequence 16, Appli |
| 73 | 2527 | 100.0 | 492 | 15 US-10-170-481A-7 | Sequence 7, Appli |
| 75 | 2527 | 100.0 | 492 | 15 US-10-210-028-7 | Sequence 7, Appli |
| 80 | 2527 | 100.0 | 492 | 15 US-10-162-521A-7 | Sequence 7, Appli |
| 81 | 2527 | 100.0 | 492 | 15 US-10-211-858-16 | Sequence 16, Appli |
| 93 | 2527 | 100.0 | 492 | 17 US-10-918-851-7 | Sequence 7, Appli |
| 94 | 2527 | 100.0 | 492 | 17 US-10-805-667-7 | Sequence 7, Appli |
| 95 | 2527 | 100.0 | 492 | 17 US-10-897-359-7 | Sequence 7, Appli |
| 96 | 2527 | 100.0 | 492 | 17 US-10-893-802-7 | Sequence 7, Appli |
| 97 | 2527 | 100.0 | 492 | 17 US-10-897-360-7 | Sequence 7, Appli |

| | | | | | |
|-----|--------|-------|------|-------------------------|--------------------|
| 98 | 2527 | 100.0 | 492 | 17 US-10-367-057-48 | Sequence 48, Appli |
| 100 | 2527 | 100.0 | 492 | 20 US-11-129-762-7 | Sequence 7, Appli |
| 101 | 2527 | 99.8 | 492 | 16 US-10-169-596A-2 | Sequence 2, Appli |
| 102 | 2527 | 99.8 | 492 | 18 US-10-489-125B-3 | Sequence 3, Appli |
| 103 | 2502 | 99.0 | 492 | 16 US-10-169-596A-16 | Sequence 16, Appli |
| 104 | 2285 | 90.4 | 445 | 16 US-10-839-882-8 | Sequence 8, Appli |
| 105 | 1396.5 | 55.3 | 406 | 18 US-10-450-763-40695 | Sequence 40695, A |
| 106 | 1162 | 46.0 | 459 | 18 US-10-450-763-40696 | Sequence 40696, A |
| 107 | 1063 | 42.1 | 207 | 15 US-10-351-334-320 | Sequence 320, App |
| 108 | 1049 | 41.5 | 205 | 15 US-10-264-232-326 | Sequence 2326, App |
| 109 | 812 | 32.1 | 161 | 18 US-10-472-533-388 | Sequence 388, App |
| 110 | 812 | 32.1 | 162 | 15 US-10-351-334-160 | Sequence 160, App |
| 111 | 586 | 23.2 | 114 | 15 US-10-351-334-121 | Sequence 321, App |
| 112 | 256 | 10.1 | 47 | 9 US-09-864-761-40397 | Sequence 40397, A |
| 113 | 193 | 7.6 | 40 | 9 US-09-864-761-41066 | Sequence 41066, A |
| 114 | 122.5 | 4.8 | 512 | 15 US-10-161-993-36 | Sequence 36, Appli |
| 115 | 118.5 | 4.7 | 518 | 18 US-10-724-972A-6261 | Sequence 6261, Ap |
| 116 | 111 | 4.4 | 556 | 16 US-10-474-792-242 | Sequence 242, App |
| 117 | 109.5 | 4.3 | 522 | 16 US-10-425-115-327280 | Sequence 327280, |
| 118 | 108.5 | 4.3 | 361 | 15 US-10-424-599-147020 | Sequence 147020, |
| 119 | 108.5 | 4.3 | 492 | 15 US-10-282-122A-76094 | Sequence 76094, A |
| 120 | 108 | 4.3 | 533 | 14 US-10-214-867A-9 | Sequence 9, Appli |
| 121 | 108 | 4.3 | 740 | 15 US-10-282-122A-75847 | Sequence 75847, A |
| 122 | 107 | 4.2 | 751 | 9 US-09-815-242-14001 | Sequence 14001, A |
| 123 | 107 | 4.2 | 486 | 16 US-10-437-963-159111 | Sequence 159111, |
| 124 | 106 | 4.2 | 466 | 15 US-10-282-122A-53222 | Sequence 53222, A |
| 125 | 105.5 | 4.2 | 711 | 15 US-10-359-493-3168 | Sequence 3168, Ap |
| 126 | 105.5 | 4.2 | 1230 | 14 US-10-156-761-14097 | Sequence 14097, A |
| 127 | 105 | 4.2 | 499 | 15 US-10-425-114-40938 | Sequence 40938, A |
| 128 | 105 | 4.2 | 499 | 15 US-10-425-114-42517 | Sequence 42517, A |
| 129 | 105 | 4.2 | 1019 | 15 US-10-335-977-5444 | Sequence 5444, Ap |
| 130 | 104.5 | 4.1 | 447 | 16 US-10-474-792-502 | Sequence 502, App |
| 131 | 104.5 | 4.1 | 467 | 15 US-10-282-122A-66783 | Sequence 66783, A |
| 132 | 104 | 4.1 | 548 | 15 US-10-282-122A-58458 | Sequence 58458, A |
| 133 | 103.5 | 4.1 | 398 | 15 US-10-282-122A-58458 | Sequence 58458, A |
| 134 | 103.5 | 4.1 | 551 | 14 US-10-127-032-125 | Sequence 125, App |
| 135 | 103.5 | 4.1 | 551 | 15 US-10-389-647-689 | Sequence 689, App |
| 136 | 103.5 | 4.1 | 840 | 18 US-10-502-667-1 | Sequence 1, Appli |
| 137 | 103.5 | 4.1 | 1061 | 15 US-10-415-934-9 | Sequence 9, Appli |
| 138 | 103.5 | 4.1 | 1061 | 20 US-11-097-143-23451 | Sequence 23451, A |
| 139 | 103 | 4.1 | 207 | 15 US-10-424-599-192311 | Sequence 192311, |
| 140 | 103 | 4.1 | 1058 | 14 US-10-300-473-5 | Sequence 5, Appli |
| 141 | 103 | 4.1 | 1058 | 18 US-10-967-091-26 | Sequence 26, Appli |
| 142 | 103 | 4.1 | 1210 | 14 US-10-128-714-3078 | Sequence 3078, Ap |
| 143 | 103 | 4.1 | 1246 | 14 US-10-128-714-8078 | Sequence 8078, Ap |
| 144 | 102.5 | 4.1 | 553 | 18 US-10-501-282-1586 | Sequence 1586, Ap |
| 145 | 102.5 | 4.1 | 559 | 18 US-10-501-282-1586 | Sequence 1586, Ap |
| 146 | 102.5 | 4.1 | 559 | 18 US-10-501-282-1590 | Sequence 1590, Ap |
| 147 | 102.5 | 4.1 | 566 | 9 US-09-971-361-7 | Sequence 7, Appli |
| 148 | 102.5 | 4.1 | 566 | 20 US-11-108-870-7 | Sequence 7, Appli |
| 149 | 102.5 | 4.1 | 853 | 14 US-10-156-761-11724 | Sequence 11724, A |
| 150 | 102 | 4.0 | 1019 | 8 US-08-834-705-18 | Sequence 18, Appli |
| 151 | 102 | 4.0 | 1020 | 10 US-09-882-227-188 | Sequence 188, App |
| 152 | 101.5 | 4.0 | 960 | 15 US-10-282-122A-61140 | Sequence 61140, A |
| 153 | 101 | 4.0 | 360 | 15 US-10-424-599-277493 | Sequence 277493, |
| 154 | 101 | 4.0 | 377 | 15 US-10-425-114-44189 | Sequence 44189, A |
| 155 | 101 | 4.0 | 446 | 15 US-10-282-122A-77258 | Sequence 77258, A |
| 156 | 101 | 4.0 | 623 | 16 US-10-425-115-193134 | Sequence 193134, |
| 157 | 101 | 4.0 | 664 | 16 US-10-416-898-6 | Sequence 6, Appli |
| 158 | 100.5 | 4.0 | 406 | 15 US-10-627-123-4 | Sequence 4, Appli |
| 159 | 100.5 | 4.0 | 450 | 17 US-10-732-923-23795 | Sequence 23795, A |
| 160 | 100.5 | 4.0 | 461 | 15 US-10-104-047-3865 | Sequence 3865, Ap |
| 161 | 100.5 | 4.0 | 655 | 15 US-10-282-122A-77304 | Sequence 77304, A |
| 162 | 100 | 4.0 | 326 | 18 US-10-501-282-5160 | Sequence 5160, Ap |
| 163 | 100 | 4.0 | 327 | 18 US-10-501-282-5142 | Sequence 5142, Ap |
| 164 | 100 | 4.0 | 487 | 15 US-10-369-493-12592 | Sequence 12592, A |
| 165 | 100 | 4.0 | 557 | 16 US-10-437-963-201648 | Sequence 201648, |
| 166 | 100 | 4.0 | 597 | 15 US-10-369-493-12700 | Sequence 12700, A |
| 167 | 100 | 4.0 | 880 | 15 US-10-436-715-31 | Sequence 31, Appli |
| 168 | 100 | 4.0 | 880 | 15 US-10-436-715-81 | Sequence 81, Appli |
| 169 | 99.5 | 3.9 | 480 | 15 US-10-282-122A-66605 | Sequence 66605, A |
| 170 | 99.5 | 3.9 | 534 | 15 US-10-282-122A-77170 | Sequence 77170, A |
| 171 | 99 | 3.9 | 519 | 15 US-10-409-701-19 | Sequence 19, Appli |

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OM protein - protein search, using sw model

Run on: November 5, 2005, 17:26:05 ; Search time 43 Seconds
(without alignments)
854.124 Million cell updates/sec

Title: US-10-017-086a-7

Perfect score: 2527
Sequence: 1 MWKPPALTHYPLIRFLVPL.....TDMPTTEVTIVREERNE 492

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 150 summaries

Database :

Issued Patents, AA: *
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep: *
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep: *
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep: *
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep: *
5: /cgn2_6/ptodata/1/1aa/ECTUS_COMB.pep: *
6: /cgn2_6/ptodata/1/1aa/Backfilltest.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|------------------------|---------------------|
| 1 | 1063 | 42.1 | 207 | 4 US-09-489-847-320 | Sequence 320, App |
| 2 | 812 | 32.1 | 162 | 4 US-09-489-847-160 | Sequence 160, App |
| 3 | 586 | 22.2 | 114 | 4 US-09-489-847-321 | Sequence 321, App |
| 4 | 118.5 | 4.7 | 518 | 4 US-09-134-001C-4744 | Sequence 4744, App |
| 5 | 114.5 | 4.5 | 329 | 4 US-09-902-540-15354 | Sequence 15354, App |
| 6 | 109.5 | 4.3 | 610 | 3 US-08-970-725-2 | Sequence 2, App1 |
| 7 | 108.5 | 4.3 | 361 | 3 US-09-196-520-6 | Sequence 6, App1 |
| 8 | 104.5 | 4.1 | 610 | 3 US-08-212-188-2 | Sequence 2, App1 |
| 9 | 104.5 | 4.1 | 610 | 5 PCT-US95-02708-2 | Sequence 5507, App |
| 10 | 104 | 4.1 | 536 | 4 US-09-107-532A-5507 | Sequence 3902, App |
| 11 | 103 | 4.1 | 631 | 4 US-09-107-532A-3902 | Sequence 5, App1 |
| 12 | 103 | 4.1 | 1058 | 2 US-08-687-289A-5 | Sequence 5, App1 |
| 13 | 103 | 4.1 | 1058 | 4 US-09-435-897-5 | Sequence 6, App1 |
| 14 | 101.5 | 4.0 | 677 | 4 US-09-543-681A-6388 | Sequence 6388, App |
| 15 | 100.5 | 4.0 | 413 | 4 US-09-540-236-3672 | Sequence 3672, App |
| 16 | 100 | 4.0 | 644 | 4 US-09-252-991A-21730 | Sequence 21730, App |
| 17 | 99 | 3.9 | 563 | 4 US-09-949-016-10317 | Sequence 10317, App |
| 18 | 99 | 3.9 | 584 | 4 US-09-693-746-22 | Sequence 22, App1 |
| 19 | 98.5 | 3.9 | 472 | 4 US-09-934-899-10 | Sequence 10, App1 |
| 20 | 98.5 | 3.9 | 472 | 4 US-09-934-899-10 | Sequence 10, App1 |
| 21 | 98.5 | 3.9 | 516 | 4 US-09-252-991A-21329 | Sequence 21329, App |
| 22 | 98 | 3.9 | 534 | 4 US-09-328-352-6713 | Sequence 6713, App |
| 23 | 98 | 3.9 | 619 | 4 US-09-540-236-2377 | Sequence 2377, App |
| 24 | 96.5 | 3.8 | 509 | 4 US-09-252-991A-30864 | Sequence 30864, App |
| 25 | 96.5 | 3.8 | 528 | 2 US-08-403-852D-21 | Sequence 21, App1 |
| 26 | 96.5 | 3.8 | 528 | 2 US-08-510-646B-22 | Sequence 22, App1 |
| 27 | 96.5 | 3.8 | 528 | 3 US-09-231-818-21 | Sequence 21, App1 |

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| 28 | 96.5 | 3.8 | 528 | 4 US-09-635-359B-21 | Sequence 21, App1 |
| 29 | 96.5 | 3.8 | 808 | 3 US-09-134-001C-3105 | Sequence 3105, App |
| 30 | 96.5 | 3.8 | 962 | 4 US-09-328-352-7942 | Sequence 7942, App |
| 31 | 95.5 | 3.8 | 3287 | 2 US-08-477-451-7 | Sequence 7, App1 |
| 32 | 95 | 3.8 | 768 | 4 US-09-489-039A-12897 | Sequence 12897, App |
| 33 | 94.5 | 3.7 | 801 | 4 US-09-710-279-2020 | Sequence 2020, App |
| 34 | 94 | 3.7 | 359 | 4 US-09-828-523A-14 | Sequence 14, App1 |
| 35 | 94 | 3.7 | 370 | 4 US-09-828-523A-74 | Sequence 74, App1 |
| 36 | 94 | 3.7 | 450 | 4 US-09-252-991A-28134 | Sequence 28134, App |
| 37 | 93.5 | 3.7 | 350 | 4 US-07-759-568-3 | Sequence 3, App1 |
| 38 | 93.5 | 3.7 | 364 | 3 US-09-196-520-9 | Sequence 9, App1 |
| 39 | 93.5 | 3.7 | 551 | 4 US-09-615-192A-348 | Sequence 348, App |
| 40 | 93.5 | 3.7 | 565 | 4 US-09-489-039A-8414 | Sequence 8414, App |
| 41 | 93.5 | 3.7 | 1607 | 4 US-09-902-540-16765 | Sequence 16765, App |
| 42 | 93 | 3.7 | 449 | 4 US-09-328-352-7512 | Sequence 7512, App |
| 43 | 93 | 3.7 | 474 | 4 US-09-489-039A-11844 | Sequence 11844, App |
| 44 | 93 | 3.7 | 493 | 3 US-09-134-001C-3486 | Sequence 3486, App |
| 45 | 93 | 3.7 | 1065 | 4 US-09-252-991A-31637 | Sequence 31637, App |
| 46 | 92.5 | 3.7 | 466 | 4 US-09-489-039A-12781 | Sequence 12781, App |
| 47 | 92.5 | 3.7 | 513 | 4 US-09-489-039A-12877 | Sequence 12877, App |
| 48 | 92 | 3.6 | 315 | 5 PCT-US93-08528-34 | Sequence 34, App1 |
| 49 | 92 | 3.6 | 315 | 5 PCT-US93-08528-34 | Sequence 34, App1 |
| 50 | 92 | 3.6 | 483 | 4 US-09-134-000C-4234 | Sequence 4234, App |
| 51 | 91.5 | 3.6 | 318 | 4 US-09-489-039A-10467 | Sequence 10467, App |
| 52 | 91.5 | 3.6 | 350 | 3 US-08-430-286A-8 | Sequence 8, App1 |
| 53 | 91.5 | 3.6 | 451 | 4 US-09-328-352-7659 | Sequence 7659, App |
| 54 | 91.5 | 3.6 | 456 | 4 US-09-583-110-3651 | Sequence 3651, App |
| 55 | 91.5 | 3.6 | 460 | 4 US-09-107-433-5001 | Sequence 5001, App |
| 56 | 91 | 3.6 | 375 | 4 US-09-252-991A-27411 | Sequence 27411, App |
| 57 | 91 | 3.6 | 454 | 4 US-09-489-847-305 | Sequence 305, App |
| 58 | 91 | 3.6 | 467 | 4 US-09-198-452A-443 | Sequence 443, App |
| 59 | 91 | 3.6 | 479 | 4 US-09-438-185A-426 | Sequence 426, App |
| 60 | 91 | 3.6 | 487 | 4 US-09-902-540-10085 | Sequence 10085, App |
| 61 | 91 | 3.6 | 542 | 4 US-09-252-991A-19270 | Sequence 19270, App |
| 62 | 91 | 3.6 | 675 | 4 US-09-533-029-52 | Sequence 52, App1 |
| 63 | 90.5 | 3.6 | 312 | 4 US-09-489-039A-11138 | Sequence 11138, App |
| 64 | 90.5 | 3.6 | 448 | 4 US-09-328-352-5694 | Sequence 5694, App |
| 65 | 90.5 | 3.6 | 457 | 4 US-09-107-532A-4534 | Sequence 4534, App |
| 66 | 90.5 | 3.6 | 557 | 4 US-09-540-236-2206 | Sequence 2206, App |
| 67 | 90.5 | 3.6 | 595 | 2 US-08-677-049-11 | Sequence 11, App1 |
| 68 | 90.5 | 3.6 | 638 | 4 US-09-252-991A-18036 | Sequence 18036, App |
| 69 | 90 | 3.6 | 363 | 1 US-08-148-209A-3 | Sequence 3, App1 |
| 70 | 90 | 3.6 | 431 | 4 US-09-549-848B-6 | Sequence 6, App1 |
| 71 | 90 | 3.6 | 502 | 4 US-09-248-796A-16824 | Sequence 16824, App |
| 72 | 89.5 | 3.5 | 350 | 4 US-09-826-509-499 | Sequence 499, App |
| 73 | 89.5 | 3.5 | 453 | 4 US-09-583-110-3842 | Sequence 3842, App |
| 74 | 89.5 | 3.5 | 461 | 4 US-09-107-433-3722 | Sequence 3722, App |
| 75 | 89.5 | 3.5 | 482 | 4 US-09-902-540-16249 | Sequence 16249, App |
| 76 | 89.5 | 3.5 | 1528 | 1 US-08-463-092B-6 | Sequence 6, App1 |
| 77 | 89.5 | 3.5 | 1528 | 2 US-08-463-092B-6 | Sequence 6, App1 |
| 78 | 89.5 | 3.5 | 1528 | 2 US-08-463-092B-6 | Sequence 6, App1 |
| 79 | 89.5 | 3.5 | 1528 | 3 US-08-463-092B-6 | Sequence 6, App1 |
| 80 | 89.5 | 3.5 | 1528 | 3 US-08-463-092B-6 | Sequence 6, App1 |
| 81 | 89 | 3.5 | 316 | 4 US-09-107-532A-6643 | Sequence 6643, App |
| 82 | 89 | 3.5 | 433 | 4 US-09-252-991A-23726 | Sequence 23726, App |
| 83 | 89 | 3.5 | 458 | 4 US-09-489-039A-10560 | Sequence 10560, App |
| 84 | 88.5 | 3.5 | 319 | 4 US-09-583-110-2977 | Sequence 2977, App |
| 85 | 88.5 | 3.5 | 341 | 4 US-09-107-433-4956 | Sequence 4956, App |
| 86 | 88.5 | 3.5 | 409 | 4 US-09-252-991A-19033 | Sequence 19033, App |
| 87 | 88.5 | 3.5 | 420 | 4 US-09-107-532A-4006 | Sequence 4006, App |
| 88 | 88.5 | 3.5 | 424 | 4 US-09-107-532A-5459 | Sequence 5459, App |
| 89 | 88.5 | 3.5 | 486 | 4 US-09-178-093B-1 | Sequence 1, App1 |
| 90 | 88.5 | 3.5 | 509 | 4 US-09-800-729-93 | Sequence 93, App1 |
| 91 | 88.5 | 3.5 | 526 | 4 US-09-800-729-180 | Sequence 180, App |
| 92 | 88 | 3.5 | 401 | 4 US-09-543-681A-5305 | Sequence 5305, App |
| 93 | 88 | 3.5 | 426 | 4 US-09-489-039A-9805 | Sequence 9805, App |
| 94 | 88 | 3.5 | 434 | 4 US-09-328-352-4563 | Sequence 4563, App |
| 95 | 88 | 3.5 | 585 | 4 US-09-328-352-6133 | Sequence 6133, App |
| 96 | 88 | 3.5 | 1028 | 3 US-09-328-352-5749 | Sequence 5749, App |
| 97 | 87.5 | 3.5 | 367 | 3 US-09-134-001C-5557 | Sequence 5557, App |
| 98 | 87.5 | 3.5 | 428 | 4 US-09-198-452A-720 | Sequence 720, App |
| 99 | 87.5 | 3.5 | 428 | 4 US-09-438-185A-682 | Sequence 682, App |
| 100 | 87.5 | 3.5 | 444 | 4 US-09-328-352-5249 | Sequence 5249, App |

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: November 4, 2005, 13:42:35 ; Search time 3300 Seconds

(without alignments)
7380.187 Million cell updates/sec

Perfect score: 2945
1 cgcctcgcctcgcctcgcctc.....aactgctcaatacaaaaa 2945

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 9794790 seqs, 413490567 residues

Total number of hits satisfying chosen parameters: 19589580

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

Database : Published Applications NA.*

1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
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9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
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| 47 | 2945 | 100.0 | 2945 | US-10-211-884-15 | Sequence 15, Appl1 |
| 73 | 2945 | 100.0 | 2945 | US-10-170-481A-6 | Sequence 6, Appl1 |
| 75 | 2945 | 100.0 | 2945 | US-10-210-028-6 | Sequence 6, Appl1 |
| 80 | 2945 | 100.0 | 2945 | US-10-162-521A-6 | Sequence 6, Appl1 |

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| 81 | 2945 | 100.0 | 2945 | US-10-211-858-15 | Sequence 15, Appl1 |
| 93 | 2945 | 100.0 | 2945 | US-10-918-851-6 | Sequence 6, Appl1 |
| 94 | 2945 | 100.0 | 2945 | US-10-805-667-6 | Sequence 6, Appl1 |
| 95 | 2945 | 100.0 | 2945 | US-10-897-359-6 | Sequence 6, Appl1 |
| 96 | 2945 | 100.0 | 2945 | US-10-893-802-6 | Sequence 6, Appl1 |
| 97 | 2945 | 100.0 | 2945 | US-10-897-360-6 | Sequence 6, Appl1 |
| 99 | 2945 | 100.0 | 2945 | US-11-129-762-6 | Sequence 6, Appl1 |
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| 101 | 2932.2 | 99.6 | 333 | US-10-367-057-153 | Sequence 153, App |
| 102 | 2747.6 | 93.3 | 4039 | US-10-098-841-113 | Sequence 113, App |
| 103 | 2543.2 | 86.4 | 2744 | US-10-264-221-921 | Sequence 921, App |
| 104 | 2332.2 | 79.2 | 2572 | US-10-351-334-44 | Sequence 44, Appl |
| 105 | 2332.2 | 79.2 | 2572 | US-10-472-533-99 | Sequence 99, Appl |
| 106 | 1713.2 | 58.2 | 2531 | US-10-956-157-2290 | Sequence 2290, Ap |
| 107 | 1540.2 | 52.3 | 1570 | US-10-169-596A-1 | Sequence 1, Appl |
| 108 | 1479.4 | 50.2 | 1476 | US-10-839-882-27 | Sequence 27, Appl |
| 109 | 1470.2 | 49.9 | 1476 | US-10-489-125B-4 | Sequence 4, Appl |
| 110 | 1435.8 | 48.8 | 2593 | US-10-169-596A-15 | Sequence 15, Appl |
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| 217 | 423.2 | 14.4 | 466 | US-10-242-535A-58035 | Sequence 58035, A |
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| 234 | 335.6 | 11.4 | 434 | US-11-129-762-9 | Sequence 9, Appl1 |
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| C 30 | 43.3 | 1.5 | 12313 | 4 | US-09-949-016-13348 | Sequence 13248, A |
| C 31 | 43 | 1.5 | 123513 | 4 | US-09-949-016-15794 | Sequence 15794, A |
| C 32 | 42.6 | 1.4 | 12302 | 4 | US-09-489-039A-2573 | Sequence 2573, Ap |
| C 33 | 42.6 | 1.4 | 1617 | 4 | US-09-489-039A-2262 | Sequence 2262, Ap |
| C 34 | 42.4 | 1.4 | 640661 | 4 | US-09-790-988-1 | Sequence 1, Appl1 |
| C 35 | 42.4 | 1.4 | 6336 | 4 | US-09-949-016-12895 | Sequence 12895, A |
| C 36 | 42.4 | 1.4 | 30820 | 4 | US-09-949-016-17145 | Sequence 17145, A |
| C 37 | 42 | 1.4 | 19124 | 2 | US-08-487-8265-13 | Sequence 13, Appl1 |
| C 38 | 41.8 | 1.4 | 601 | 4 | US-09-949-016-37931 | Sequence 37931, A |
| C 39 | 41.8 | 1.4 | 601 | 4 | US-09-949-016-14724 | Sequence 14724, A |
| C 40 | 41.8 | 1.4 | 1866 | 4 | US-09-601-198-153 | Sequence 153, App |
| C 41 | 41.8 | 1.4 | 34011 | 4 | US-09-949-016-12485 | Sequence 12485, A |
| C 42 | 41.8 | 1.4 | 49003 | 4 | US-09-949-016-16565 | Sequence 16265, A |
| C 43 | 41.8 | 1.4 | 101674 | 4 | US-09-949-016-12033 | Sequence 12033, A |
| C 44 | 41.6 | 1.4 | 474 | 4 | US-09-621-976-18033 | Sequence 18033, A |
| C 45 | 41.6 | 1.4 | 109025 | 4 | US-09-949-016-12609 | Sequence 12609, A |
| C 46 | 41.6 | 1.4 | 109025 | 4 | US-09-949-016-17567 | Sequence 17567, A |
| C 47 | 41.6 | 1.4 | 353 | 4 | US-09-621-976-9783 | Sequence 9783, Ap |
| C 48 | 41.4 | 1.4 | 601 | 4 | US-09-949-016-86508 | Sequence 86308, A |
| C 49 | 41.4 | 1.4 | 12313 | 4 | US-09-949-016-13348 | Sequence 13248, A |
| C 50 | 41.4 | 1.4 | 26363 | 4 | US-09-949-016-12386 | Sequence 12386, A |
| C 51 | 41.4 | 1.4 | 263634 | 4 | US-09-949-016-16915 | Sequence 16915, A |
| C 52 | 41.2 | 1.4 | 55886 | 4 | US-09-949-016-15129 | Sequence 15129, A |
| C 53 | 41.2 | 1.4 | 139049 | 4 | US-09-949-016-17030 | Sequence 17030, A |
| C 54 | 41 | 1.4 | 601 | 4 | US-09-949-016-148025 | Sequence 148025, A |
| C 55 | 41 | 1.4 | 601 | 4 | US-09-949-016-148026 | Sequence 148026, A |
| C 56 | 41 | 1.4 | 601 | 4 | US-09-949-016-148027 | Sequence 148027, A |
| C 57 | 41 | 1.4 | 601 | 4 | US-09-949-016-148028 | Sequence 148029, A |
| C 58 | 41 | 1.4 | 601 | 4 | US-09-949-016-148029 | Sequence 148029, A |
| C 59 | 41 | 1.4 | 601 | 4 | US-09-949-016-148131 | Sequence 148131, A |
| C 60 | 41 | 1.4 | 601 | 4 | US-09-949-016-148132 | Sequence 148132, A |
| C 61 | 41 | 1.4 | 601 | 4 | US-09-949-016-148133 | Sequence 148133, A |
| C 62 | 41 | 1.4 | 601 | 4 | US-09-949-016-148134 | Sequence 148134, A |
| C 63 | 41 | 1.4 | 601 | 4 | US-09-949-016-148135 | Sequence 148135, A |
| C 64 | 41 | 1.4 | 601 | 4 | US-09-949-016-187345 | Sequence 187345, A |
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| C 66 | 41 | 1.4 | 1377 | 4 | US-09-252-991A-11683 | Sequence 11683, A |
| C 67 | 41 | 1.4 | 1536 | 4 | US-09-252-991A-11555 | Sequence 11555, A |
| C 68 | 41 | 1.4 | 1667 | 1 | US-08-483-288A-1 | Sequence 1, Appl1 |
| C 69 | 41 | 1.4 | 98701 | 4 | US-09-949-016-15898 | Sequence 15898, A |
| C 70 | 41 | 1.4 | 98701 | 4 | US-09-949-016-15899 | Sequence 15899, A |
| C 71 | 41 | 1.4 | 129380 | 4 | US-09-949-016-12544 | Sequence 12544, A |
| C 72 | 40.8 | 1.4 | 601 | 4 | US-09-949-016-86305 | Sequence 86304, A |
| C 73 | 40.8 | 1.4 | 601 | 4 | US-09-949-016-86305 | Sequence 86305, A |
| C 74 | 40.8 | 1.4 | 1664 | 4 | US-09-902-540-7929 | Sequence 7929, Ap |
| C 75 | 40.8 | 1.4 | 6037 | 4 | US-09-902-540-800 | Sequence 800, App |
| C 76 | 40.8 | 1.4 | 4403765 | 3 | US-09-103-840A-2 | Sequence 2, Appl1 |
| C 77 | 40.8 | 1.4 | 4411529 | 3 | US-09-103-840A-1 | Sequence 1, Appl1 |
| C 78 | 40.6 | 1.4 | 1041 | 4 | US-09-252-991A-5300 | Sequence 5300, Ap |
| C 79 | 40.6 | 1 | | | | |